

**Appendix table 4-6. Percentage distribution of master's degrees in science and engineering to U.S. citizens and permanent residents, by field and by race/ethnicity of recipient: 1989–96**

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Field	1989	1990	1991	1992	1993	1994	1995	1996
U.S. citizens and permanent residents, total <sup>3</sup>								
Total, all fields...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Total science and engineering...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Physical sciences <sup>1</sup> ...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mathematical sciences...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Computer science...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Biological sciences...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Agricultural sciences...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Social sciences...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Psychology...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Engineering...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Non-S&E <sup>2</sup> ...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
White, non-Hispanics								
Total, all fields...	82.6	81.6	82.3	81.7	81.3	80.0	79.1	78.4
Total science and engineering...	79.6	79.5	79.8	78.5	78.3	77.8	76.6	76.0
Physical sciences <sup>1</sup> ...	84.3	84.0	82.8	80.4	81.8	80.3	79.9	80.7
Mathematical sciences...	82.8	81.9	80.4	80.4	79.9	79.0	77.2	75.3
Computer science...	68.8	68.5	71.3	69.3	69.9	65.8	65.2	64.8
Biological sciences...	85.2	84.1	82.6	80.9	79.6	80.6	79.0	78.0
Agricultural sciences...	92.0	90.0	89.9	88.1	87.6	82.9	83.9	86.8
Social sciences...	82.5	81.5	81.9	81.9	80.1	79.8	78.1	77.5
Psychology...	84.3	83.9	84.1	82.6	82.4	83.6	82.0	80.0
Engineering...	75.5	76.8	76.6	74.5	75.1	74.8	73.0	72.3
Non-S&E <sup>2</sup> ...	83.3	82.1	82.8	82.5	82.0	80.5	79.7	78.9
Asians/Pacific Islanders								
Total, all fields...	3.6	3.4	3.7	3.9	4.0	4.3	4.5	4.8
Total science and engineering...	7.4	7.3	7.7	8.2	7.9	8.3	8.5	8.7
Physical sciences <sup>1</sup> ...	6.2	5.8	6.6	7.7	6.6	7.2	7.2	7.4
Mathematical sciences...	7.3	6.9	7.3	6.9	6.7	7.7	7.9	7.9
Computer science...	12.9	13.3	15.6	17.4	17.3	18.9	19.2	19.5
Biological sciences...	5.2	5.4	5.7	6.6	7.7	7.7	9.2	9.9
Agricultural sciences...	2.2	2.2	2.5	2.2	2.3	3.0	3.3	3.3
Social sciences...	3.7	3.9	3.7	3.8	3.9	4.1	3.9	4.2
Psychology...	1.6	1.8	1.8	1.8	1.8	2.3	2.2	2.5
Engineering...	11.7	11.1	12.2	13.0	12.2	12.6	13.6	14.0
Non-S&E <sup>2</sup> ...	2.7	2.5	2.8	2.9	3.1	3.3	3.6	3.9

See explanatory information and SOURCE at end of table.

**Appendix table 4-6. Percentage distribution of master's degrees in science and engineering to U.S. citizens and permanent residents, by field and by race/ethnicity of recipient: 1989-96**

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Field	1989	1990	1991	1992	1993	1994	1995	1996
Black, non-Hispanics								
Total, all fields...	4.8	5.0	5.3	5.5	5.8	6.1	6.5	6.8
Total science and engineering...	3.0	3.3	3.7	4.0	4.2	4.4	5.0	5.2
Physical sciences <sup>1</sup> .....	1.7	2.1	1.9	2.6	2.8	3.2	3.7	2.8
Mathematical sciences...	2.4	2.6	3.9	2.6	3.3	3.6	5.0	5.1
Computer science...	2.8	3.3	4.4	5.0	4.8	5.6	5.4	6.0
Biological sciences...	2.9	2.6	3.4	3.7	3.4	3.3	3.6	3.8
Agricultural sciences...	1.8	1.4	2.5	2.5	2.7	2.9	2.5	2.6
Social sciences...	4.2	4.5	5.5	5.7	5.9	6.0	6.8	6.9
Psychology...	4.7	5.3	4.8	5.3	5.1	5.3	6.4	7.1
Engineering...	2.1	2.3	2.4	2.7	3.0	3.0	3.5	3.6
Non-S&E <sup>2</sup> .....	5.3	5.4	5.6	5.9	6.2	6.5	6.9	7.2
Hispanics								
Total, all fields...	2.9	2.9	3.2	3.3	3.5	3.8	4.0	4.3
Total science and engineering...	2.9	2.8	3.1	3.1	3.4	3.9	3.9	4.0
Physical sciences <sup>1</sup> .....	2.1	2.4	2.5	2.4	3.0	2.9	3.2	3.1
Mathematical sciences...	1.4	1.9	3.3	2.3	2.6	2.5	2.5	3.1
Computer science...	2.1	1.7	2.0	2.3	2.5	2.6	3.1	2.7
Biological sciences...	2.9	2.9	3.4	3.6	3.8	3.2	3.7	3.7
Agricultural sciences...	2.4	2.2	2.4	2.1	2.6	6.7	3.3	2.8
Social sciences...	3.2	3.3	3.5	3.4	3.8	4.1	4.0	4.3
Psychology...	4.3	4.1	4.1	4.2	4.3	4.7	4.8	5.3
Engineering...	2.8	2.7	2.8	2.9	3.1	3.7	3.8	4.0
Non-S&E <sup>2</sup> .....	2.9	2.9	3.2	3.3	3.5	3.8	4.0	4.3
American Indians/Alaskan Natives								
Total, all fields...	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5
Total science and engineering...	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4
Physical sciences <sup>1</sup> .....	0.4	0.2	0.3	0.5	0.3	0.4	0.5	0.2
Mathematical sciences...	0.2	0.2	0.3	0.1	0.3	0.2	0.4	0.2
Computer science...	0.6	0.1	0.2	0.2	0.2	0.3	0.2	0.4
Biological sciences...	0.4	0.3	0.3	0.3	0.7	0.4	0.4	0.3
Agricultural sciences...	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.4
Social sciences...	0.6	0.6	0.5	0.5	0.6	0.6	0.7	0.7
Psychology...	0.4	0.4	0.5	0.4	0.5	0.5	0.6	0.6
Engineering...	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.3
Non-S&E <sup>2</sup> .....	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.5

See explanatory information and SOURCE at end of table.

**Appendix table 4-6. Percentage distribution of master's degrees in science and engineering to U.S. citizens and permanent residents, by field and by race/ethnicity of recipient: 1989–96**

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Field	1989	1990	1991	1992	1993	1994	1995	1996
U.S. citizens and permanent residents, unknown race/ethnicity								
Total, all fields...	5.7	6.7	5.2	5.2	5.0	5.3	5.4	5.3
Total science and engineering...	6.7	6.7	5.3	5.9	5.8	5.3	5.6	5.7
Physical sciences <sup>1</sup> .....	5.2	5.4	5.7	6.4	5.4	5.9	5.5	5.7
Mathematical sciences...	5.9	6.4	4.7	7.7	7.2	7.0	7.1	8.3
Computer science...	12.9	13.1	6.6	5.8	5.2	6.8	6.9	6.7
Biological sciences...	3.4	4.7	4.6	4.9	4.8	4.7	4.1	4.3
Agricultural sciences...	1.2	3.9	2.3	4.9	4.4	4.1	6.6	4.1
Social sciences...	5.7	6.1	5.0	4.7	5.7	5.5	6.5	6.4
Psychology...	4.8	4.5	4.7	5.7	5.8	3.6	3.9	4.6
Engineering...	7.7	6.9	5.7	6.7	6.3	5.5	5.9	5.8
Non-S&E <sup>2</sup> .....	5.4	6.7	5.2	5.0	4.8	5.4	5.3	5.2

<sup>1</sup> In this table, "Physical science" includes earth, atmospheric, and ocean sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

**NOTE:** Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

**SOURCE:** Tabulations by National Science Foundation/Division of Science Resources Studies; data from U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey.